



# Weekly Construction Report

## Hatchery Creek Design/Build Project



<b>Time Period (two weeks):</b>	October 12-24, 2015	<b>Project No:</b>	1305
<b>Rain Days/Weather Conditions:</b>	Rain 0.3" on Tuesday, Oct. 13 <sup>th</sup> and 0.2" on Saturday, Oct. 24 <sup>th</sup> (Burkesville gauge). We did not work on those days.		
<b>Personnel on-site:</b>	<i>EcoGro/Ridgewater:</i> Tom Cutter, Eric Dawalt, Jim Hanssen, Larry Mounce, Brad Redmon, Chad Relinski, Randall "Mokie" Starns, Randall Starns, Jr., Sherri Arthur Trucking-John Arthur.		
<b>Equipment on-site:</b>	Komatsu PC 360 excavator w/ hyd. thumb, Komatsu PC 160 w/ hyd. thumb, Komatsu PC 210 excavator, Komatsu PC 240 excavator, Terex TA27 articulated off-road dump truck, Bobcat T300 skid steer, & Morooka 2200 track dump truck.		
<b>Material deliveries to project site:</b>	<ul style="list-style-type: none"> <li>328 tons of spawning gravel (1,544 tons to date).</li> <li>462 tons of 24" + diameter rock from quarry.</li> </ul>		
<b>Work performed the past two weeks:</b>	<ul style="list-style-type: none"> <li>Site #1/FDS Reach ~ Sta. 118+40 to 127+00: <ul style="list-style-type: none"> <li>Built riffles and pools from Sta. 118+80 to 127+00. Installed structures such as lunger bunkers, log/rock and roll riffle, wood/rock toe, boulder clusters, and boulder jam riffles. Installed spawning gravel throughout the reach.</li> <li>Installed upwelling pipe from ~Sta. 121+60 to 123+80.</li> <li>Graded banks outside of channel, installed rock floodplain sills, spread stockpiled topsoil and wood, and transplanted on-site trees and shrubs next to the stream from ~Sta. 123+00 to 127+00.</li> </ul> </li> <li>Reach downstream of migration barrier /~Sta. 105+90 to 113+00: <ul style="list-style-type: none"> <li>Constructed migration barrier splash pad out of ~18" thick boulders.</li> <li>Installed 30 mil HDPE liner in channel downstream of migration barrier across ravine spillway.</li> <li>Excavated and built confluence bar, and Hatchery Creek and ravine tributary channels downstream of bridge and migration barrier.</li> <li>Built and finish graded floodplain berm from ~Sta. 107+71 to 112+00.</li> </ul> </li> <li>Ravine upstream of bridge: <ul style="list-style-type: none"> <li>Lined entire left descending bank of ravine channel in rock from riffle at ~Sta. 3+20, through pool, to riffle at 3+80 because it was vertical and eroding.</li> </ul> </li> </ul>		
<b>Erosion &amp; sediment controls installed/maintained:</b>	❖ Installed temporary seed on Site #4, finished portions of Site #1, and floodplain berm from LT Sta. 107+71 to 112+00.		
<b>Work scheduled for next week:</b>	<ul style="list-style-type: none"> <li>✎ Finish grading banks, installing rock sills, etc. on Site #1/FDS Reach Sta. 118+80 to 123+00.</li> <li>✎ Finish building migration barrier.</li> </ul>		
<b>Work planned for two weeks ahead:</b>	<ul style="list-style-type: none"> <li>🐟 Start building upstream of Campground Road Sta. 113+00 to 117+00.</li> <li>🐟 Start building channel in Public Fishing Area.</li> <li>🐟 Install culvert under Campground Road.</li> </ul>		
<b>General Comments:</b>	<ul style="list-style-type: none"> <li>➤ The monthly Construction Progress Meeting was Wednesday, October 14<sup>th</sup>.</li> <li>➤ The Hatchery Creek Public Fishing Area is scheduled to be closed the month of November in order for us to finish construction.</li> </ul>		
<b>Prepared by:</b> Eric Dawalt, P.E.	<b>Date:</b> 10-26-2015		



# Weekly Construction Report

## Hatchery Creek Design/Build Project



Pictures from the past two week's construction:



**Site #1: Boulders (24"+ diameter rock) being delivered. (Picture taken on Left Descending Bank (LDB) at ~Sta. 116+00 looking downstream).**



**Site #1: Boulders installed in run portion of channel for fish habitat. (Picture taken from ~Sta. 127+00 looking upstream).**





# Weekly Construction Report

## Hatchery Creek Design/Build Project



**Site #1: Constructed stream channel showing shot rock constructed channel with rootwads and logs installed for fish habitat. (Picture taken from LDB at ~Sta. 123+00 looking downstream).**



**Site #1: Log/Rock and Roll Riffle structure being installed for fish habitat. (Picture taken from ~Sta. 121+00 looking upstream).**





# Weekly Construction Report

## Hatchery Creek Design/Build Project



**Site #1: Shot rock being loaded in track dump truck. Excavated soil channel in background has not been covered with rock yet. (Picture taken from Campground Road at ~Sta. 118+00 looking downstream).**



**Site #1: Installing shot rock over soil channel. (Picture taken from approximate same location as above).**



# Weekly Construction Report

## Hatchery Creek Design/Build Project



**Site #1: Spawning gravel installed in channel over shot rock in foreground. (Picture taken at ~Sta. 118+80 looking downstream).**



**Site #1: Installing boulders and logs over and in spawning gravel for fish habitat. (Picture taken from Campground Road at ~Sta. 118+00 looking downstream).**





# Weekly Construction Report

## Hatchery Creek Design/Build Project



**Site #1: Banks on RDB of completed section of stream have been graded, stockpiled topsoil and wood has been spread, and on-site trees and shrubs have been transplanted next to the stream. (Picture taken from approximate same location as above).**



**Reach downstream of Migration Barrier: Excavating soil for channels and building soil subgrade of confluence bar. (Picture taken from at ~Sta. 107+00 looking upstream. Note location of Point of Curvature (PC) grade stake with blue and white flagging in bottom right corner of picture).**





# Weekly Construction Report

## Hatchery Creek Design/Build Project



***Constructing ravine channel and confluence bar out of shot rock. (Picture taken from approximate same location as above).***



***Constructing shot rock subgrade for migration barrier splash pad in background. (Picture taken from ~Sta. 107+00 looking upstream. Note location of Point of Curvature (PC) grade stake with blue and white flagging in lower center of picture).***





# Weekly Construction Report

## Hatchery Creek Design/Build Project



***Migration barrier splash pad constructed of 18" thick boulders in background. (Picture taken from approximate same location as above).***



***Grading and smoothing soil in channel in preparation for liner installation across ravine spillway in right of picture. (Picture taken from approximate same location as above).***





# Weekly Construction Report

## Hatchery Creek Design/Build Project



***Installing 30 mil HDPE liner across ravine spillway. (Picture taken from approximate same location as above).***



***Installing ~12" layer of clay over HDPE liner. (Picture taken from approximate same location as above).***





# Weekly Construction Report

## Hatchery Creek Design/Build Project



***Installing shot rock over clay and HDPE liner. (Picture taken from approximate same location as above).***



***Ravine (from left) and Hatchery Creek (in center) channels built with shot rock to confluence with each other. (Picture taken from approximate same location as above).***